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Patent  
TH2458 (US)  
HS:KNL

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Signature: Charles W. Stewart  
Charles W. Stewart

Date: August 10, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of	)	
	)	
MAREK MATUSZ ET AL	)	
	)	
Serial No. 10/816,543	)	Group Art Unit 1754
	)	
Filed April 1, 2004	)	Examiner:
	)	
SILVER-CONTAINING CATALYSTS,	)	
THE MANUFACTURE OF SUCH SILVER-	)	
CONTAINING CATALYSTS, AND THE	)	
USE THEREOF	)	
_____	)	

COMMISSIONER FOR PATENTS  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR 1.56 AND 1.97**

It is respectfully requested that the documents listed on the attached Form PTO-1449 be considered by the Patent and Trademark Office in the above-entitled application and made of record therein. Full text copies of the relevant documents are enclosed.


DE-1920976 is a German language document. Its English language equivalent, GB-1257352, has also been included.

A U.S. patent application, Serial No. 10/431,035, on a related invention was filed on May 7, 2003.

If any fee is required, the Examiner is authorized to charge the required fee to Shell Oil Company, Deposit Account No. 19-1800.

The Examiner is requested to indicate consideration of this art on the attached PTO-1449 (Modified) by initialing next to each item submitted by the Applicant.

Respectfully submitted,  
MAREK MATUSZ ET AL

By   
\_\_\_\_\_  
Their Attorney, Charles W. Stewart  
Registration No. 34,023  
(713) 241-0360

P. O. Box 2463  
Houston, Texas 77252-2463

Attachment: PTO-1449 Form (Modified)

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.  
TH-2458 02 (US)APPLICATION NUMBER  
10/816,543LIST OF INFORMATION PROVIDED  
BY APPLICANT

(Use several sheets if appropriate)

APPLICANT  
MAREK MATUSZ ET ALFILING DATE  
April 1, 2004

GROUP ART UNIT

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	4,766,105	8/88	Lauritzen	502	216	
	AB	4,761,394	8/88	Lauritzen	502	348	
	AC	4,820,675	4/89	Lauritzen	502	216	
	AD	4,845,296	7/89	Ahmed et al	564	477	
	AE	4,829,044	5/89	Boxhorn et al	502	348	
	AF	4,212,772	7/80	Mross et al	252	476	
	AG	4,471,071	9/84	Rebsda et al	502	347	
	AH	4,731,350	3/88	Boxhoorn et al	502	231	
	AI	4,728,634	3/88	Boxhoorn et al	502	243	
	AJ	6,656,874	12/03	Lockemeyer	502	347	
	AK	3,962,285	6/76	Cusumano	260	348	

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL	266,015 A1	5/88	EPA				
	AM	1,257,352	12/71	GB				
	AN	1,920,976	11/69	DE				

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AR	Brunauer, Emmett, Teller, J. Am. Chem. Soc. 60 (1938) pgs. 309-319.
	AS	Kirk-Othmer Ency. Of Chem. Technology, 3 <sup>rd</sup> Ed., Vol. 9, 1980, pgs. 432-471.
	AT	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
- This is not a representation that a search has been made.

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GROUP ART UNIT

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	3,937,476	2/76	Sakai	274	39A	
	AB	3,844,981	10/74	Cusumano	252	471	
	AC	2002/0010094	01/02	Lockemeyer	502	439	
	AD	5,364,826	11/94	Kemp	502	315	
	AE	5,187,140	2/93	Thorsteinson	502	348	
	AF	5,254,786	10/93	Lin et al	585	645	
	AG	3,563,914	11/67	F. Wattiemena	252	463	
	AH	5,380,697	1/95	Matusz et al	502	348	
	AI	6,368,998	4/02	Lockemeyer	502	347	
	AJ	5,407,888	4/95	Herzog et al	502	317	
	AK	5,739,075	4/98	Matusz	502	302	

## FOREIGN PATENT DOCUMENTS

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							Yes	No
	AL							
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	APPLICANT MAREK MATUSZ ET AL	
	FILING DATE April 1, 2004	GROUP ART UNIT

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS					
Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	5,705,661	1/98	Iwakura et al	549	536	
	AB	5,418,202	5/95	Evans et al	502	348	
	AC	5,801,259	9/98	Kowaleski	549	536	
	AD	4,808,738	2/89	Lauritzen	549	536	
	AE	5,145,824	9/92	Buffum et al	502	216	
	AF	5,100,859	3/92	Gerdes et al	502	439	
	AG	5,502,020	3/96	Iwakura et al	502	317	
	AH	5,739,075	4/98	Matusz	502	302	
	AI	5,187,140	2/93	Thorsteinson et al	502	348	
	AJ	4,939,114	7/90	Nojiri et al	502	348	
	AK	3,962,136	6/76	Nielsen et al	252	454	

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## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	6,498,122	12/02	Nakashiro	502	347	
	AB	5,703,253	12/97	Evans et al	549	536	
	AC	3,563,913	2/71	De Krijger	252	463	
	AD	4,207,210	6/80	Kilty	252	463	
	AE	4,458,032	7/84	Rebsdat et al	502	348	
	AF	5,597,773	1/97	Evans et al	502	348	
	AG	4,994,587	2/91	Notermann et al	549	534	
	AH	5,457,897	10/95	Becker	34	472	
	AI	5,380,885	1/95	Kemp	549	536	
	AJ						
	AK						

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